

***The technical is political.***

***The technical is political.***

Technology

***The technical is political.***

Technology, Society

***The technical is political.***

Technology, Society & Resistance





**Everything I will say has been said.**

And I am not the one who said it.



**This talk is an introduction.**

It will leave questions unanswered.



**<https://r.ovl.design/cw-ccc-19>**

Twitter: @ovlb

**I want to tell you a story.**







***What is the internet, really?***

Spoiler: There is no cloud.



The ARPANET in December 1969

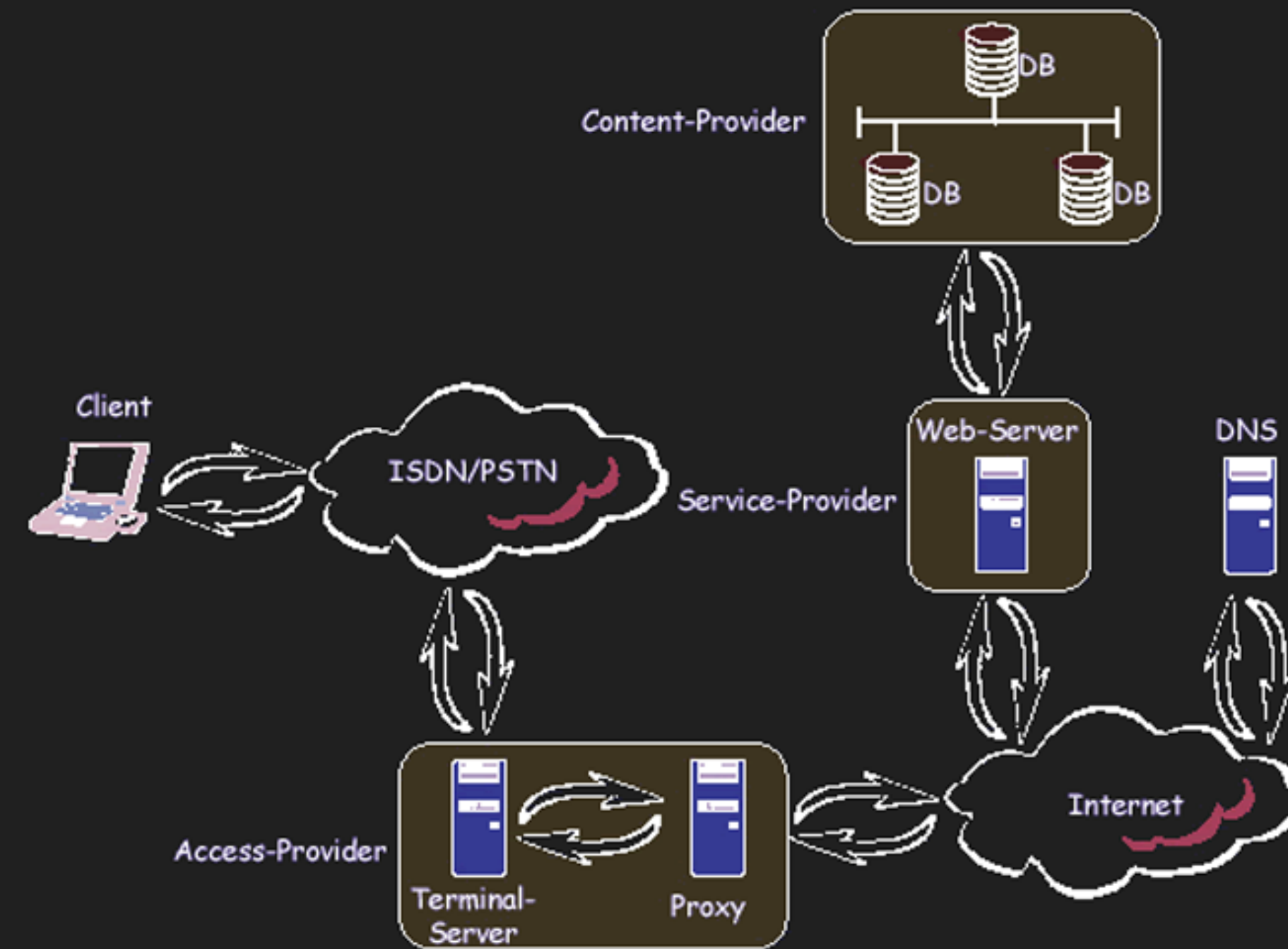
«10»



*The first message on the ARPANet*

29 October 1969





**More than fifty percent of humanity  
are connected to the Internet**

**Almost sixty percent of humanity  
are connected to the Internet**

This also means that forty percent aren't.

«The promise of the internet was that it was going to give voice to the voiceless, visibility to the invisible, and power to the powerless.»

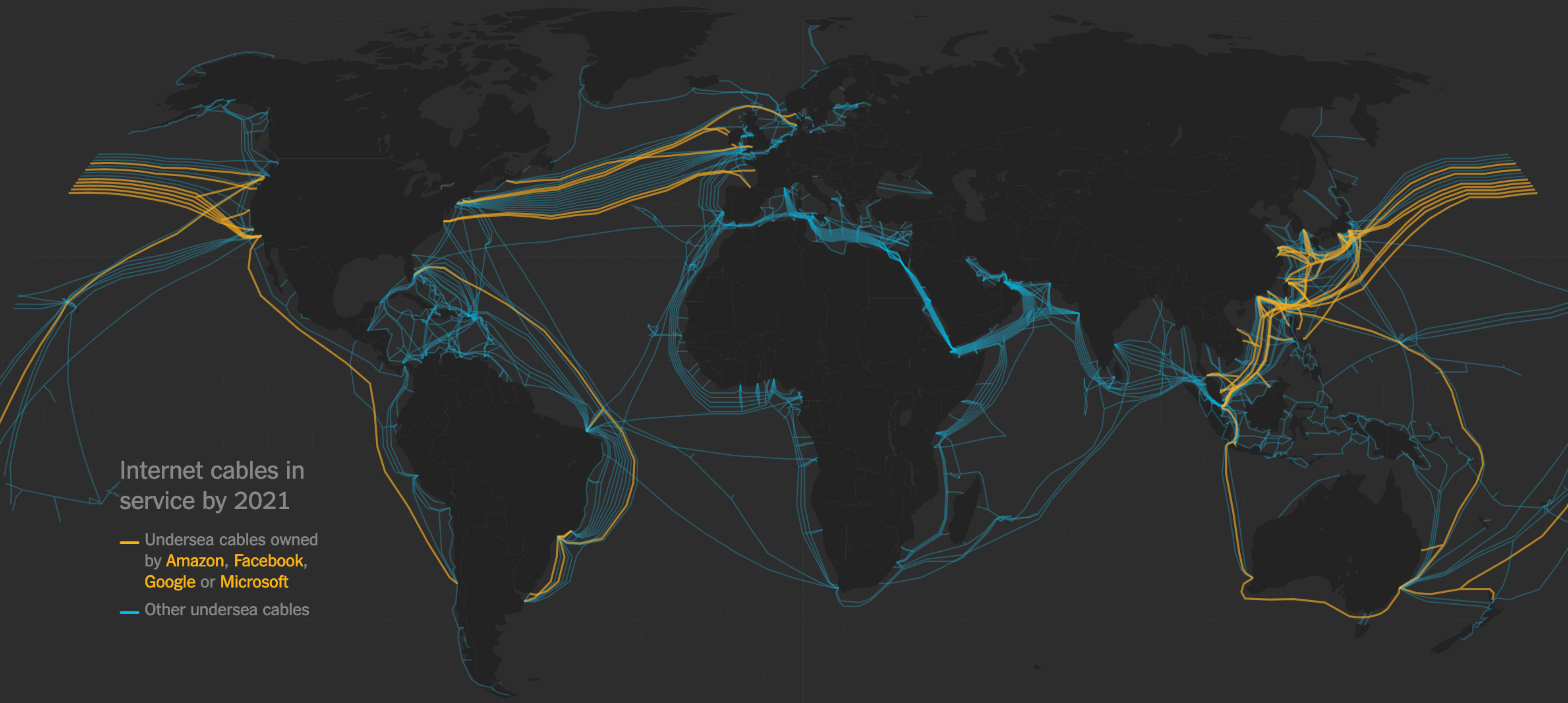


*Mike Monteiro – The Road Back*

<https://modus.medium.com/b95oaaaa1d1c>



‘People think that data is in the cloud, but it’s not. It’s in the ocean.’



**188 shutdowns in 2018**

**Kashmir is offline since four months**

The longest shutdown in a democracy.





# *The Web We Lost*

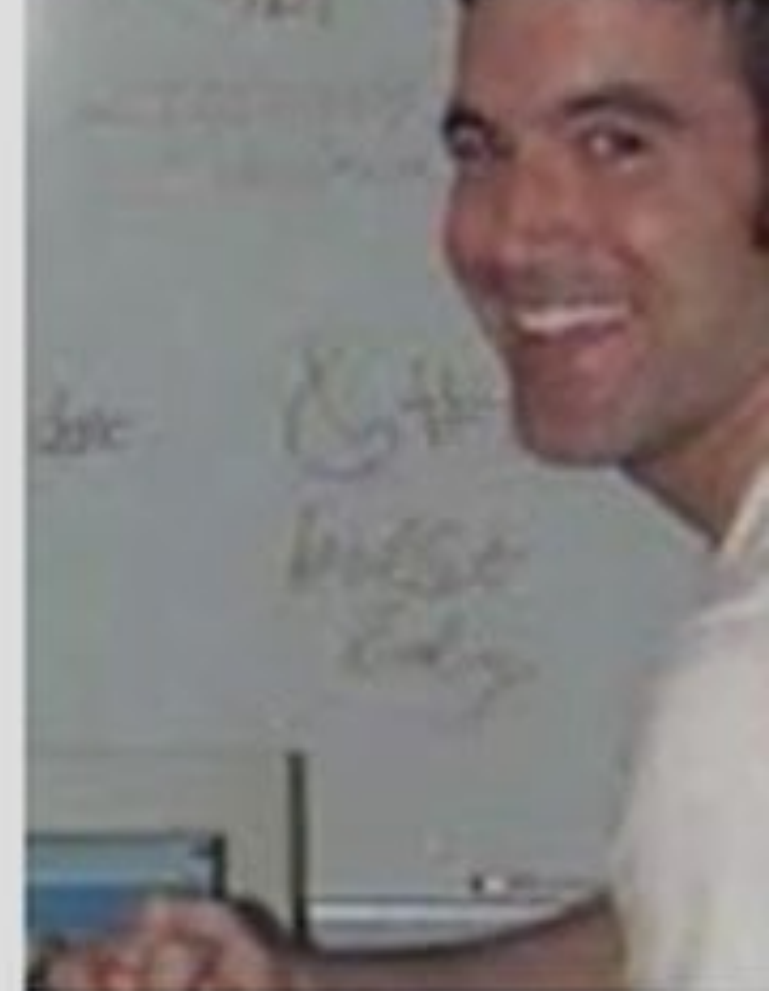
«The tech industry and its press have treated the rise of billion-scale social networks and ubiquitous smartphone apps as an unadulterated win for regular people [...].»



*Anil Dash – The Web We Lost*

[https://anildash.com/2012/12/13/the\\_web\\_we\\_lost/](https://anildash.com/2012/12/13/the_web_we_lost/)







## MYSPACE MUSIC

### XXST.VINNY'SDENNYXX



"Ever since I can remember, I bin poppin my collar"

Profile Views:  
1540981

Last Login:  
15/01/2007

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Total Plays: 5728840

Downloads Today: 0

Plays Today: 1157



[Smile](#) Plays: 1688134

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[Everything's Just Wo...](#) Plays: 1127000

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[Knock em out](#) Plays: 889146

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[Alfie](#) Plays: 279410

[Download](#) | [Rate](#) | [Comments](#) | [Lyrics](#) | [Add](#)

Alright, Still  
2006 Regal

**myspace.com**  
a place for friends **(STANDALONE PLAYER)**

### Contacting xXSt.Vinny'sDennyXx:

[Send Message](#)

[Forward to Friend](#)

[Add to Friends](#)

[Add to Favorites](#)

### Dennis's Top 4!

[View Top 4!](#)





«We put our stories and songs and messages  
and artwork where the world could find  
them. For a while it was beautiful, it was  
messy, and it was punk as fuck.»



*Mike Monteiro – The Road Back*

<https://modus.medium.com/b95oaaaa1d1c>





Check out the new Euphoria Section!

This page is intended to be useful

Home  
About  
Contact  
Links  
Search



IF YOU STUDY THE MATERIAL ON THIS  
WEBSITE YOU WILL HOPEFULLY  
UNDERSTAND WHAT OUR PURPOSE  
HERE ON EARTH HAS BEEN.



Welcome home



Our home is protected by Angels

Welcome to the  
INTERNET





**Not only have we lost design ...**



«We've lost key features that we used to rely on, and worse, we've abandoned core values that used to be fundamental to the web world.»



*Anil Dash – The Web We Lost*

[https://anildash.com/2012/12/13/the\\_web\\_we\\_lost/](https://anildash.com/2012/12/13/the_web_we_lost/)

**The Web can be a plethora of awesomeness.**

**The Web can be a plethora of creepiness.**

**The Web can be a plethora of everything.**

And we have to preserve this.

***The Web is for everyone.***

***The Web is for everyone!***



**Margarete Stokowski**  @marga\_owski · 3h

Das Taschenbuch „Die letzten Tage des Patriarchats“ ist seit heute erhältlich, für nur 12 € zaubert ihr euren Schwestern und Onkels etc. ein - evtl. verzweifelteres - Lachen ins Gesicht 🌲🌲🌲🎁🎁🎁



15

32

403



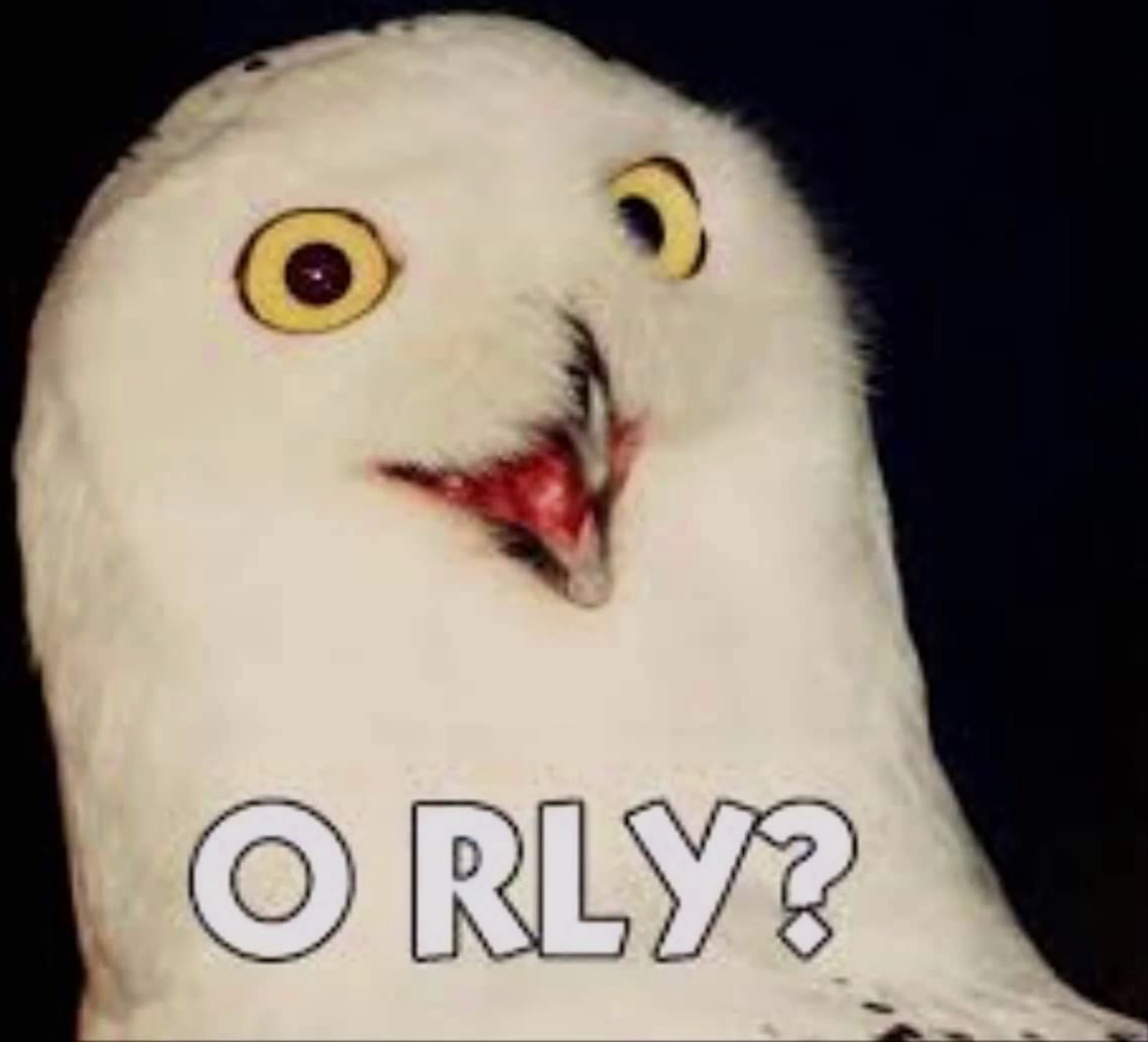
**Frank Opelt**  
@OpeltFrank

Replying to @marga\_owski

Warum zieht Ihr Heulsusen nicht einfach Euer eigenes Ding durch? So ohne Männer. Startet Eure eigenen Firmen und macht die Männer platt! Traut Ihr Euch das nicht zu?

[Translate Tweet](#)

8:54 pm · 17 Dec 2019 · [Twitter for iPad](#)



© RLY?



**Harassment isn't harmless.**

«We must protect safety over speech.»



*Tatiana Mac – Canary in a Coal Mine*

<https://alistapart.com/article/canary-in-a-coal-mine-how-tech-provides-platforms-for-hate/>

«You really aren't allowed to say anything  
no more man I mean wow free speech and  
all 9 11 was an inside job.»



*Some Random White Guy™*

Internet

**Shut the fuck up.**

«The purpose of the free-speech-crisis myth is to guilt people into giving up their right of response to attacks, and to destigmatise racism and prejudice.»



*Nesrine Malik – The myth of the free speech crisis*

<https://www.theguardian.com/world/2019/sep/03/the-myth-of-the-free-speech-crisis>

**We have a legitimate right to refuse.**

**This is not only a tech problem.**

**This is not only a tech problem.**

You can't /kickban hate



***The world we broke***

**White people gave money to white people  
to solve the problems of white people.**

**Male people gave money to male people  
to solve the problems of male people.**

«But we didn't mean to!»



*Tech Bro*

Internet

«Intent does not erase impact.»



*Tatiana Mac – Canary in a Coal Mine*

<https://alistapart.com/article/canary-in-a-coal-mine-how-tech-provides-platforms-for-hate/>

**Tech is not neutral.**

Technicians can't be.



«It is not reasonable for a scientist or technologist to insist that he or she does not know – or cannot know – how [technology] is going to be used.»



*Joseph Weizenbaum*

The Tech; April, 9th 1985

**Facebook is bullshit.**

**The problem goes deeper than ads.**

As if ads aren't bad enough.

**Your models are wrong**

... no matter the inputs.

«Even if race & gender are not inputs to your algorithm, it can still be biased on these factors. Machine learning excels at finding latent variables.»



*Rachel Thomas*

[https://twitter.com/math\\_rachel/status/1191064500834750464](https://twitter.com/math_rachel/status/1191064500834750464)

«Data from the past should not  
build the future.»



*Nushin Yazdani*

Wenn KI, dann feministisch; netzforma\* e.V. Barcamp, 2019



«Our technology is accelerating at a  
frightening rate, a rate faster than our  
reflective understanding of its impact.»



*Tatiana Mac – Canary in a Coal Mine*

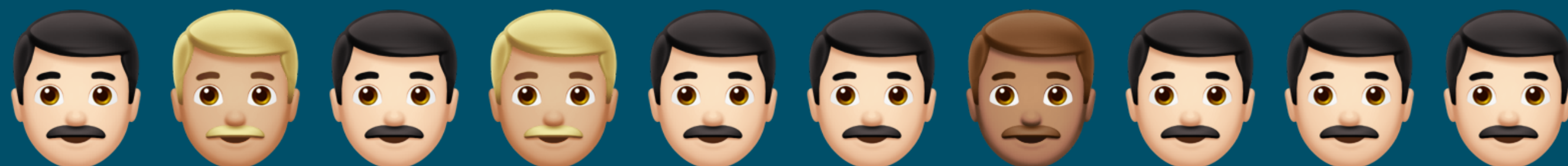
<https://alistapart.com/article/canary-in-a-coal-mine-how-tech-provides-platforms-for-hate/>

# ***Means of Production***

A very short history of computing

**Imagine a programmer**





**Imagine a computer**











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### *A COMPUTER WANTED.*

WASHINGTON, May 1.—A civil service examination will be held May 18 in Washington, and, if necessary, in other cities, to secure eligibles for the position of computer in the Nautical Almanac Office, where two vacancies exist—one at \$1,000, the other at \$1,400..

The examination will include the subjects of algebra, geometry, trigonometry, and astronomy. Application blanks may be obtained of the United States Civil Service Commission.

*The New York Times*

May, 2nd 1892







«By the mid-twentieth century, computing was so much considered a woman's job that [...] mathematicians would guesstimate their horsepower by invoking <girlyears>.»



*Claire L. Evans – Broad Band*

Portfolio/Penguin; 2018; p. 11









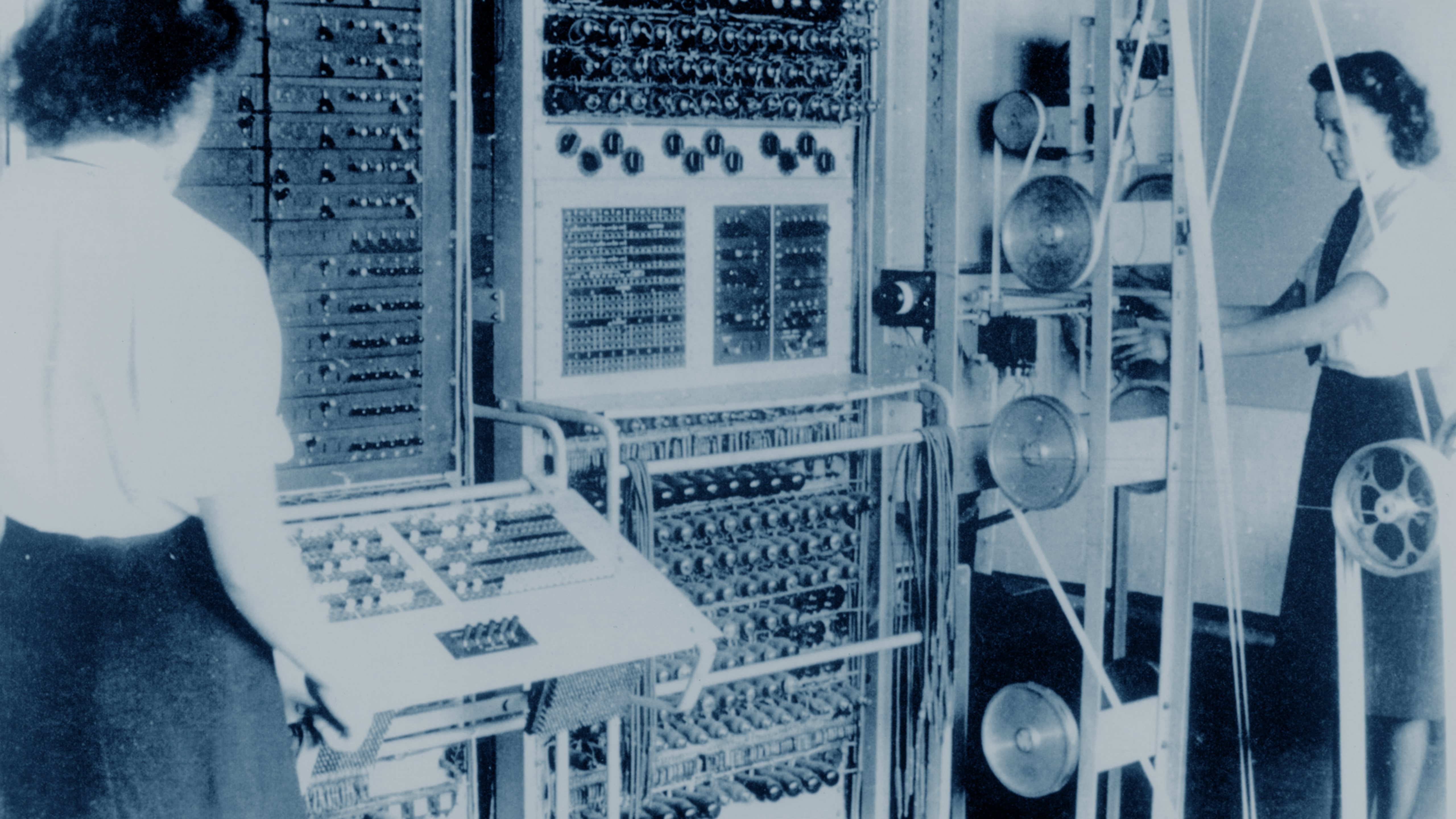


















Who is a programmer?

«The most significant change they made, arguably, was semantic: *programming*, they decided, would heretofore be known as *engineering*.»



*Claire L. Evans – Broad Band*

Portfolio/Penguin; 2018; p. 77



# Introducing Apple II.™





White men hire white men  
to solve the problems of white men.

**Broaden the access.**



***You Sotta Fight***



**Be playful.**

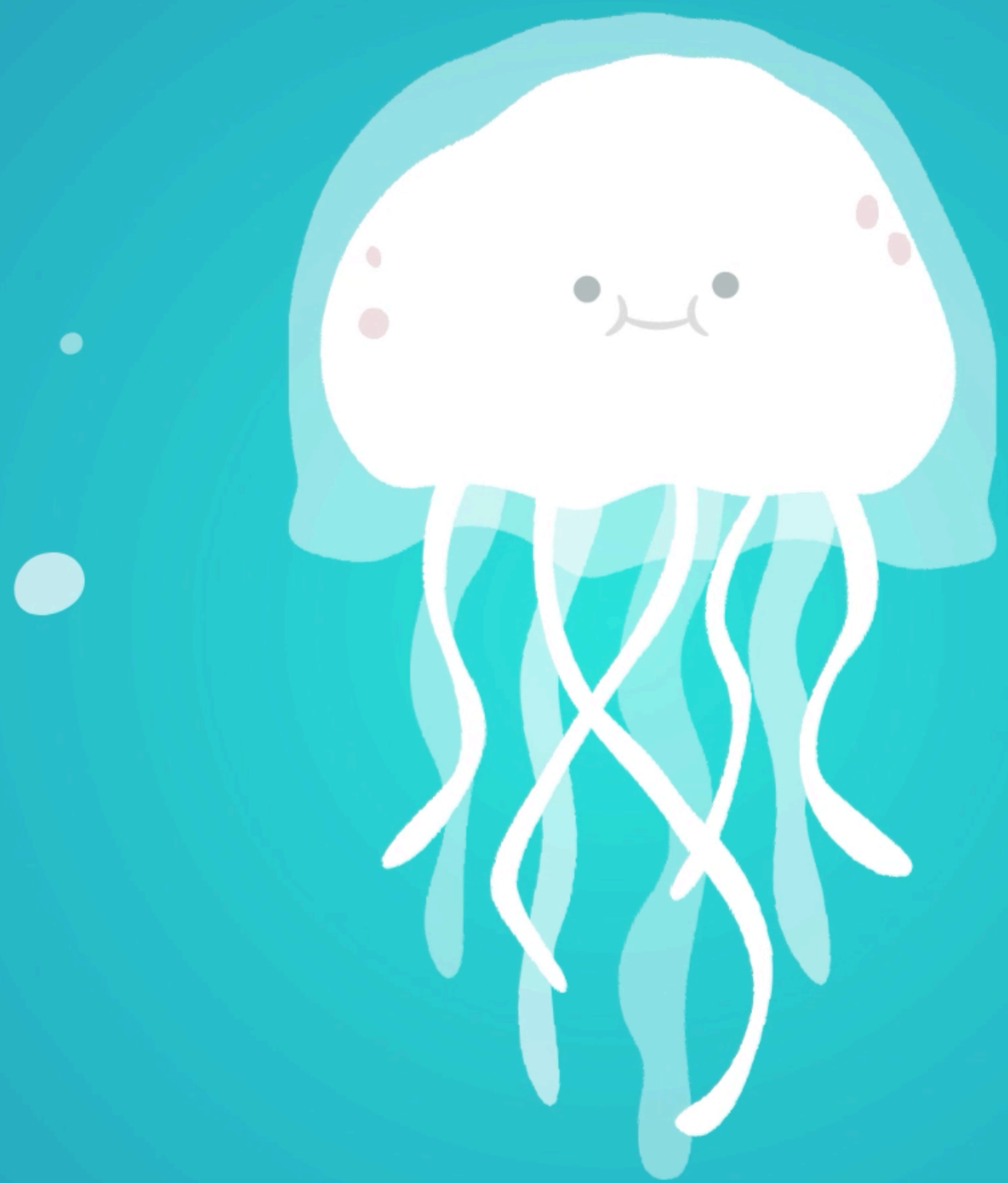


«Keep making fun stuff.»



*Cassie Evans – Interactive Web Animations With SVG*

<https://beyondtellerrand.com/events/berlin-2019/speakers/cassie-evans>









Every DNA  
@EveryDNA



gay rocket DNA



11:33 pm · 18 Sep 2019 · [Cheap Bots, Done Quick!](#)



«In a world that becomes more dystopian by the day, we can also use technology for good.»



*Cassie Evans – Interactive Web Animations With SVG*

<https://beyondtellerrand.com/events/berlin-2019/speakers/cassie-evans>

**Educate yourself. Educate others.**

Learning & Unlearning



«[...] you needed people with more  
vocabularies.»



*Grace Hopper*

Interviewed by Uta C. Merzbach, July 1968

# Self- Defined

A modern dictionary about us.  
We define our words, but they don't  
define us.

*[www.selfdefined.app](http://www.selfdefined.app)*



**Hear and amplify the voices  
of endangered groups.**

White people have to use their safety.

**Hear and amplify the voices  
of endangered groups.**

Men have to use their safety.



**Hear and amplify the voices  
of endangered groups.**

Straight people have to use their safety.

It's not about empathy.



«We don't need to <understand> the suffering of others to take action to minimize their pain. We only need to be aware that the potential for suffering exists.»



*Kim Crayton*

<https://twitter.com/KimCrayton1/status/1207072440045785089>

**Organise.**



Communities over competition.

Communities over companies.



Communities over nations.





We are in this together.

And we can make it count.

«When *we* organize, *they* have a problem.  
Even the biggest companies in the world  
are made up of people like *us*.»



*Mike Monteiro – Ruined by Design*

Self-published; 2019; p. 176



Collective action will be challenged.

«I encourage everyone in tech to stop giving management the benefit of the doubt, to join unions, and continue to organize [...].»



*Kathryn Spiers*

<https://medium.com/@ksspiers/b86c41ef91b9>



Whose streets?

Our streets.

Streets on which marginalised humans  
can walk without fear.











«Antifa was a level of mad about racism and fascism that I was glad to see. They were definitely not quiet rainbow peace people.»



*Megan Squire*

<https://www.wired.com/story/free-speech-issue-antifa-data-mining/>





**Stand together against fascism and  
oppression.**

At all levels. Whatever the means.

**We need to act.**

If we don't want to look like a bunch of  
overpaid bollocks.



«Act! Act! Courageously, resolutely,  
consistently!»



*Rosa Luxemburg – What are the Leaders Doing?*

<https://www.marxists.org/archive/luxemburg/1919/01/07.htm>





Danke.

Thank you.

Merci.

спасибо.

*Oscar Braunert*

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